



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application John ROSENFELD et al.  
of:

Serial 10/765,660 Examiner: Unassigned  
No.:

Filed: 27 January 2004 Group Art 3743  
Unit:

For: HEAT TRANSFER DEVICE AND METHOD OF MAKING  
SAME

CERTIFICATE UNDER 37 CFR 1.8(a)

I, SAMUEL W. APICELLI, REGISTRATION  
NO. 36,427, HEREBY CERTIFY THAT THIS  
CORRESPONDENCE IS BEING DEPOSITED WITH THE  
UNITED STATES POSTAL SERVICE AS FIRST CLASS  
MAIL IN AN ENVELOPE ADDRESSED TO  
COMMISSIONER FOR PATENTS, P.O. Box 1450,  
Alexandria, VA 22313-1450

ON

September 10, 2004  
SAMUEL W. APICELLI  
Samuel W. Apicelli

INFORMATION DISCLOSURE STATEMENT

Mail Stop DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the Duty of Disclosure set forth in 37 CFR 1.56, the materials listed  
on the enclosed form PTO-1449 are hereby brought to the attention of the Examiner. A  
copy of each is enclosed.

The claimed invention is patentable over the enclosed references. No  
representations are made regarding the references other than those set forth above.

Respectfully submitted,

Date:

9/10/04

Samuel W. Apicelli

Samuel W. Apicelli  
Registration No. 36,427  
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SWA/tmf

Docket No. H1799-00216



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September 10, 2004  
SAMUEL W. APICELLI  
*Samuel W. Apicelli*

**TRANSMITTAL LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please find enclosed for filing:

- ☒ Information Disclosure Statement, PTO-1449 and references.
- ☒ Should any fees be incurred please debit Deposit Account No. 04-1679.  
This Transmittal Letter is submitted in duplicate.
- ☒ Return Postcard

Respectfully submitted,

Date: 9/10/04

*Samuel W. Apicelli*  
\_\_\_\_\_  
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Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket No. H1799-00216	Serial No. 10/765,660
	Applicant: John ROSENFELD et al.	
	Filing Date: 27 January 2004	Group Art Unit 3743

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,537,514	Nov. 1970	Levedahl			
	3,613,778	Oct. 1971	Feldman, Jr.			
	3,675,711	July 1972	Bilinski et al.			
	3,681,843	Aug. 1972	Arcella et al.			
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	4,042,316	Aug. 1977	Rabe			
	4,046,190	Sept. 1977	Marcus et al.			
	4,058,299	Nov. 1977	Lindkvist			
	4,109,709	Aug. 1978	Honda et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

	Rosenfeld, J.H., "Nucleate Boiling Heat Transfer in Porous Wick Structures," ASME HTD Vol. 108, <i>Heat Transfer Fundamentals, Design, Applications, and Operating Problems</i> , R.H. Shah, Ed., pp. 47-55, 1989
	Rosenfeld, J.H. and J.E. Lindemuth, "Acetone Heat Pipes for Stirling Orbiter Refrigerator/Freezer," Contract G350240J70 - final report to GE Gov't. Service, 16 April 1993
	McDonald, K.E., Berchowitz, D., Rosenfeld, J.H., and Lindemuth, J.E., "Stirling Refrigerator for Space Shuttle Experiments," Proc. 29 <sup>th</sup> IECEC, paper 94-4179, pp. 1807-1812, 1994
	Lindemuth, J.E., "Stainless Steel/Propylene Heat Pipe Interface for Stirling Orbiter Refrigerator/Freezer," NASA LeRC final report, PO. No. C-76546-F, 21 April 1998
	Rosenfeld, J.H. and Lindemuth, J.E., "Heat Transfer in Sintered Groove Heat Pipes," International Heat Pipe Conference, 1999
	Rosenfeld, J.H. and North, M.T., "Porous Media Heat Exchangers for Cooling of High-Power Optical Components," <i>Optical Engineering</i> , Vol. 34, No. 2, pp. 335-341, February 1995
	Rosenfeld, J.H., Toth, J.E., and Phillips, A.L., "Emerging Applications for Porous Media Heat Exchangers," Proc. Int. Conf. on Porous Media and Their Applications in Science, Eng., and Industry, Kona, HI, 16-21 June 1996.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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	4,116,266	Sept. 1978	Sawata et al.			
	4,118,756	Oct. 1978	Nelson et al.			
	4,177,646	Dec. 1979	Guadagnin et al.			
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	4,765,396	Aug. 1988	Seidenberg			

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						YES	NO

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	Hartenstine, J.R., "High Heat Flux Tolerant Heat Pipe Wick Structures for Electronics Cooling Applications," Penn State School of Graduate Professional Studies, November 11, 2003
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	4,777,561	Oct. 1988	Murphy et al.			
	4,807,697	Feb. 1989	Gernert et al.			
	4,819,719	April 1989	Grote et al.			
	4,830,097	May 1989	Tanzer			
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	4,921,041	May 1990	Akachi			
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	5,268,812	Dec. 1993	Conte			
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	5,320,866	June 1994	Leonard			
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	6,418,017	July 2002	Patel et al.			

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